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Since the rains, mosquitoes are certainly more numerous, and the number capable of transmitting the disease is probably greatly increased.

On the other hand, we have no proper system of sewerage; the city is in a bad sanitary condition, and then the season with its rains furnishes conditions favorable to the spread of the disease among those susceptible.

There are very few nonimmunes in the city—mostly soldiers passing through, either to or from Yucatan—so that it is impossible to determine what portion, if any, of the city may be regarded as free from infection.

The local sanitarians are of the opinion that the mosquito did not transmit the disease to the individuals attacked, but that the infection was received from an infected house and that the infection was removed by the disinfection practiced.

Respectfully,

D. E. DUDLEY,

*Acting Assistant Surgeon, U. S. M. H. S.*

The SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*

#### NICARAGUA.

##### *Reports from Bluefields—Fruit port.*

BLUEFIELDS, NICARAGUA, *August 1, 1901.*

SIR: I have to make the following report of the conditions and transactions at this port during the week ended July 31, 1901:

Population according to census of 1894, 3,000; present officially estimated population, 4,000. Number of cases and deaths from yellow fever during the week, none; number of cases and deaths from smallpox during the week, none; number of cases and deaths from typhus fever during the week, none; number of cases and deaths from cholera during the week, none; number of cases and deaths from plague during the week, none; number of deaths from other causes during the week, 4; prevailing diseases, malarial fever and dysentery. General sanitary condition of this port and the surrounding country during the week was good. The 4 deaths herein above noted were all colored females and due, respectively, to peritonitis, asthma, inanition, and senile debility.

Bills of health were issued to the following vessels: July 27, steamship *Condor*; crew, 16; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none. July 31, steamship *George W. Kelley*; crew, 20; passengers from this port, 7; passengers in transit, none; pieces of baggage disinfected, 9.

Respectfully,

WM. H. CARSON,

*Acting Assistant Surgeon, U. S. M. H. S.*

The SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*

#### PORTO RICO.

##### *Report from San Juan and subports—Further concerning the case of yellow fever on the steamship Saint Simon.*

SAN JUAN, P. R., *August 5, 1901.*

SIR: I have the honor to submit herewith the following report of the quarantine transactions of the Service at this and the 6 subports of the island of Porto Rico for the month of July, 1901:

*San Juan.*—Number of vessels inspected, 18; number of vessels held

in quarantine, 2; number of persons detained in quarantine at the station, 33; number of pieces of baggage disinfected, 73; number of persons vaccinated, 24. Bills of health issued, 34. Four sacks of mail were disinfected during the month.

On the 16th ultimo the French steamship *Saint Simon*, from St. Marc, Gonaives, Port au Prince, Cape Haitien, and Puerto Plata arrived with 1 case of yellow fever, in the person of a passenger taken on at Port au Prince. The vessel declined disinfection at this port or the removal of the case, preferring to continue on her regular schedule to Havre, France. She sailed on the 17th ultimo, taking the patient with her. While remaining at this port the vessel was placed in strict quarantine with guards on board to prevent any possible communication with the city. All passengers from the vessel destined for Porto Rico, together with the pilot who brought her in, were at once removed to the quarantine station on Miraflores Island, their clothing, baggage, and the mail for Porto Rico disinfected. Those detained were released from quarantine, all being well, after five days' detention. Twenty-six pieces of baggage and 3 sacks of mail were disinfected from this vessel.

The provisional flag steamship *Julia* arrived on the 19th ultimo from Cuban and Dominican ports via Ponce and Mayaguez. Of the 54 passengers landed at this port 7 were nonimmunes, coming from Santiago. They were detained at the quarantine station to complete their five days' observation period. Twenty-nine pieces of baggage and 1 sack of mail taken on at Santo Domingo were disinfected. The ship was granted free pratique, having undergone her usual disinfection at Santiago de Cuba.

The Spanish steamship *Cataluña* entered on the 21st instant from Havana, Port Limon, Colon, Barranquilla, Puerto Cabello, La Guayra, and Ponce. All passengers for Porto Rico were immunes and allowed to land. Guards were placed on board of the vessel to prevent other passengers from landing, and she was held in quarantine while here. She sailed early on the morning of the 22d.

The provisional flag steamship *Maria Herrera* entered on the 28th, from Cuban and Dominican ports. All bills of health carried by this ship were clean, and her passengers for Porto Rico being immunes, they were permitted to land and the vessel given free pratique. She had been disinfected at Santiago, as usual. Nineteen pieces of baggage taken on at Puerto Plata were disinfected.

The following is a report of the number of vessels inspected at the several subports during the month: Mayaguez, 12; Arecibo, 1; Humacao, 6; Aguadilla, 1; Fajardo, 2; Arroyo, 2.

The following comprises the mortality reports from the subports: Mayaguez, 92; Arecibo, 71; Humacao, 29; Aguadilla, 38; Fajardo, 24; Arroyo, 15.

Respectfully,

H. S. MATHEWSON,  
*Passed Assistant Surgeon, U. S. M. H. S.,*  
*Chief Quarantine Officer for Porto Rico.*

The SURGEON-GENERAL,  
*U. S. Marine-Hospital Service,*

August 16, 1901

1904

[Inclosure.]

*Vital statistics of San Juan, P. R., for July, 1901.*

Anæmia.....	1	Old age.....	2
Aortic insufficiency.....	1	Pneumonia.....	1
Artero-sclerosis.....	1	Rachitis.....	2
Atelectasis, pulmonary.....	1	Septicæmia.....	2
Congestion, pulmonary.....	2	Teething.....	1
Cachexia.....	2	Tetanus.....	3
Cardiac lesion.....	2	Typhoid fever.....	1
Congestion of the brain.....	1	Tuberculosis, pulmonary.....	10
Gastro-enteritis.....	6		
Gastro-intestinal catarrh.....	1	Total.....	56
Enteritis.....	2		
Entero-colitis.....	8	July, 1900—	
Encephalitis.....	1	Births.....	55
Meningitis.....	1	Deaths.....	83
Myo-carditis.....	1	July, 1901—	
Mitral insufficiency.....	1	Births.....	73
Malaria.....	1	Deaths.....	56
Nephritis.....	1		

*Inspection of immigrants at San Juan during the week ended July 27, 1901.*

SAN JUAN, P. R., July 31, 1901

SIR: I submit herewith report of alien steerage passengers arriving at this port during the week ended July 27, 1901. July 21, Spanish steamship *Cataluña*, from Havana, Port Limon, Colon, Barranquilla, Puerto Cabello, La Guayra, and Ponce, P. R., with 7 immigrants. July 27, Spanish steamship *Ciudad de Cadiz*, from Genoa, Italy, and Spanish ports, with 21 immigrants.

Respectfully,

H. S. MATHEWSON,  
*Passed Assistant Surgeon, U. S. M. H. S.,  
Chief Quarantine Officer for Porto Rico.*

The SURGEON-GENERAL, U. S. Marine-Hospital Service.

*Inspection of immigrants at San Juan for the week ended August 3, 1901.*

SAN JUAN, P. R., August 5, 1901.

SIR: I submit herewith report of alien steerage passengers arriving at this port during the week ended August 3, 1901. July 28, provisional flag steamship *Maria Herrera*, from Cuban and Santo Domingo ports, with 9 immigrants. July 31, American steamship *Philadelphia*, from Puerto Cabello, La Guayra, and Ponce, P. R., with 2 immigrants. August 3, French steamship *Olinde Rodrigues*, from Havre, Bordeaux, and St. Thomas, with 4 immigrants.

Respectfully,

H. S. MATHEWSON,  
*Passed Assistant Surgeon, U. S. M. H. S.,  
Chief Quarantine Officer for Porto Rico.*

The SURGEON-GENERAL, U. S. Marine-Hospital Service.

*Report of immigrants inspected at the port of San Juan, P. R., during the month of July, 1901.*

Total number of immigrants inspected, 74; number passed, 74.

H. S. MATHEWSON,  
*Passed Assistant Surgeon, U. S. M. H. S.,  
Chief Quarantine Officer for Porto Rico.*

The SURGEON-GENERAL, U. S. Marine-Hospital Service.